

# Converting Colors

YUV(85.6660, 12.9827,  
-57.5891)

Have a look what the booklet for  
YUV(85.6660, 12.9827, -57.5891)  
contains.

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# Color

**YUV(85.6660, 12.9827,  
-57.5891)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	147270
RGB	20, 114, 112
RGB Percent	8%, 45%, 44%
CMY	0.9216, 0.5529, 0.5608
CMYK	0.82, 0.00, 0.02, 0.55
HSL	179°, 70%, 26%
HSV	179°, 82%, 45%
XYZ	9.2304, 13.3532, 17.4202
YIQ	85.6660, -55.3820, -20.5500

# Conversions

## Conversions Part 2

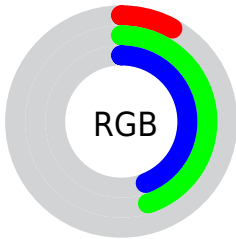
<b>Format</b>	<b>Color</b>
<b>RYB</b>	20, 68, 114
Decimal	1340016
CIELab	43.29, -25.74, -6.35
CIELCh	43, 26.509, 193.857
Yxy	13.3532, 0.2307, 0.3338
Android (android.graphics.Color)	4279530096 (0xFF147270)
YUV	85.6660, 12.9827, -57.5891
Hunter-Lab	36.5420, -18.8599, -2.6851

# Details

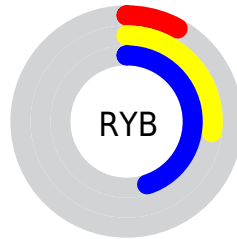
The YUV color **85.6660, 12.9827, -57.5891** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **48.3340, -12.9827, 57.5891**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.2540, 11.2138, -50.2118**, and **45.4510, 9.1447, -39.8605** is the 20% darker color. If you saturate the color by 10%, you get **82.3770, 14.6041, -64.3516**, and if you desaturate by 10%, it is **88.9550, 11.3612, -50.8265**.

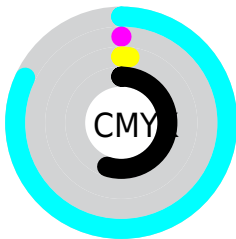
# Distribution



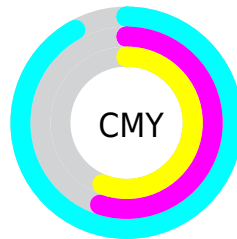
- Red (8%)
- Green (45%)
- Blue (44%)



- Red (8%)
- Yellow (27%)
- Blue (45%)



- Cyan (82%)
- Magenta (0%)
- Yellow (2%)
- Black (55%)



- Cyan (92%)
- Magenta (55%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.6660, 12.9827, -57.5891 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 85.6660, 12.9827, -57.5891 by changing the saturation by 10% instead.



85.6660, 12.9827,  
-57.5891

85.6660, 12.9827,  
-57.5891

255.0000, 0.0000,  
0.0000

62.2750, 12.6824,  
-54.6152

141.2540, 11.2138,  
-50.2118

45.4510, 9.1447,  
-39.8605

169.1400, 10.7770,  
-50.1118

30.0290, 5.9017,  
-26.3354

196.7270, 10.4876,  
-50.6266

14.2480, 3.8217,  
-12.4955

225.1400, 10.7770,  
-50.1118

0.0000, 0.0000,  
0.0000

237.3590, 8.6970,  
-36.2718

246.0300, 4.4222,

-18.4433

■ 85.6660, 12.9827,  
-57.5891

■ 85.6660, 12.9827,  
-57.5891

■ 82.3770, 14.6041,  
-64.3516

■ 88.9550, 11.3612,  
-50.8265

■ 79.6860, 15.9308,  
-69.8846

■ 92.5430, 9.5923,  
-43.4492

■ 95.9460, 8.4076,  
-36.7866

■ 99.5340, 6.6387,  
-29.4093

■ 102.8230, 5.0173,  
-22.6468

■ 106.1120, 3.3958,  
-15.8842

■ 109.8140, 2.0637,  
-8.6069

■ 113.1030, 0.4422,  
-1.8443

■ 116.6910, -1.3267,  
5.5330

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6230, -1.7861, -33.8724



85.6660, 12.9827, -57.5891



82.2870, 24.5085, -67.7807

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6660, 12.9827, -57.5891



105.1490, 14.2235, 11.2703



101.7520, -20.5837, 22.1425

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.6660, 12.9827, -57.5891



48.3340, -12.9827, 57.5891

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3110, -14.9433, 33.0533



85.6660, 12.9827, -57.5891



105.4410, 4.7126, 28.5542

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6660, 12.9827, -57.5891



101.8300, 21.2828, -13.0059



103.8520, -5.3500, 36.0868



99.7670, -20.0981, 6.3433



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6660, 12.9827, -57.5891



90.8100, 24.7437, -49.8224



103.8520, -5.3500, 36.0868



101.8280, -19.1422, 26.4608

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85.6660, 12.9827, -57.5891



136.8230, 5.0173, -22.6468



76.0750, -27.6450, -46.5468



67.3080, 2.8062, -13.4251



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6660, 12.9827, -57.5891



103.7050, 20.3584, -90.0723



60.0660, 26.5895, -35.1379



54.2060, 0.8844, -3.6887



83.7780, 16.3784, -73.4733



172.5770, 34.2255, -151.3500



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.3340, -12.9827, 57.5891



45.4090, -19.9216, 89.9723



73.9340, -26.5895, 35.1379



51.9080, -0.4476, 3.5887



36.2220, -16.3784, 73.4733



74.4230, -34.2255, 151.3500



# Previews

## White Background



This preview shows how the YUV color 85.6660, 12.9827, -57.5891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 85.6660, 12.9827, -57.5891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

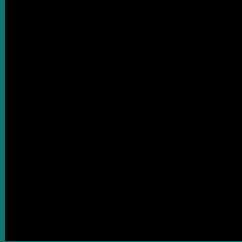
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 85.6660, 12.9827, -57.5891

## Background



This preview shows how black text looks on a background with the YUV color 85.6660, 12.9827, -57.5891.



This preview shows how white text looks on a background with the YUV color 85.6660, 12.9827, -57.5891.

-57.5891.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.6660, 12.9827, -57.5891

### Protanopia

101.9400, 1.0156, 0.9296

### Deuteranopia

102.6180, 6.1043, 2.0890



## Tritanopia

88.9100, 16.3134, -52.5411

# Trichromacy



## Original Color

85.6660, 12.9827, -57.5891

## Protanomaly

96.2470, 5.3012, -20.3876

## Deuteranomaly

96.1700, 8.7902, -19.4431

## Tritanomaly

87.5570, 15.0084, -53.9855

# Monochromacy



## Original Color

85.6660, 12.9827, -57.5891

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

85.7200, 4.5750, -20.8024

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.6660, 12.9827, -57.5891 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(20, 114, 112)` looks like.

```
.text, #text, p{  
    color:rgb(20, 114, 112)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(20, 114, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 114, 112) }
```

## Border

The CSS property to change the border of an element to YUV 85.6660, 12.9827, -57.5891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(20, 114, 112) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(20, 114, 112) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(20, 114, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 114, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 114, 112);  
box-shadow:4px 4px 4px 4px rgb(20, 114,  
112) }
```

# Background

The CSS property to change the background color of an element to YUV 85.6660, 12.9827, -57.5891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 114, 112) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(20, 114,  
112) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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